

Abstract of the Disclosure

A method and system is described to improve the reproduction of sound of an acoustic musical instrument. According to one embodiment, a first microphone is placed at a proximate location to the musical instrument to pick up the sound of the musical instrument. The sound as picked up by the first microphone is compared to a reference sound of the instrument (e.g., the sound of the instrument as perceived at a normal listening position). Based on this comparison, a tailor-made equalizer is designed to compensate for the differences between the sounds as picked up by the first microphone and the reference sounds of the musical instrument. Accordingly, using the tailor-made equalizer allows the reproduction of sound from the first microphone to have a quality similar to that of the reference sound of the musical instrument. In an implementation of the above system, a filter arrangement is provided having a low-pass and a high-pass filter that allows separate control of the frequency and/or gain for each filter.

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